



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/810,076

03/26/2004

Robert Duboc

P146-US

3509

26148

7590

06/13/2006

REFLECTIVITY, INC.
350 POTRERO AVENUE
SUNNYVALE, CA 94085

EXAMINER

LEWIS, MONICA

ART UNIT

PAPER NUMBER

2822

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/810,076

Applicant(s)

DUBOC ET AL.

Examiner

Monica Lewis

Art Unit

2822

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3 and 5-39 is/are pending in the application.
- 4a) Of the above claim(s) 5-16 and 20-39 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3 and 17-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 March 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This office action is in response to the amendment filed March 30, 2006.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 3 and 17-19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

3. Claim 19 is objected to because of the following informalities: a) it appears that the ":" is a typographical error. Appropriate correction is required.

Drawings

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: a) 114 (See Figure 2); and b) 120 (See Figure 5). Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Applicant claims that the package contains two glass substrates. However, the specification appears to disclose only one glass substrate. For example, Applicant discloses a glass substrate (102) and a semiconductor substrate (104) (For Example: See Page 4 Lines 1-3).

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2822

8. Claims 1 and 17-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Huibers (U.S. Publication No. 2004/0012838).

In regards to claim 1, Huibers discloses the following:

a) a first glass substrate (80) that is transmissive to visible light (For Example: See Figure 10a, Figure 10b, Paragraph 62, Paragraph 80, Page 13 (Claim 16 and Claim 31));

b) a getter material (85a-e) and/or a lubricant material (83a-e) disposed on the first substrate (For Example: See Figure 10a, Figure 10b, Abstract, Paragraph 62, Paragraph 80, Page 13 (Claim 16 and Claim 31)); and

c) a package enclosing the first glass substrate, the package comprising a second glass substrate (70) (For Example: See Paragraph 84)(Note: Huibers discloses that the upper and lower substrates can comprises the same materials e.g. glass (See Paragraph 62)).

In regards to claim 17, Huibers discloses the following:

a) comprising a getter (For Example: See Paragraph 80).

In regards to claim 18, Huibers discloses the following:

a) comprising a lubricant (For Example: See Paragraph 80).

In regards to claim 19, Huibers discloses the following:

a) comprising a getter and a lubricant (For Example: See Paragraph 80).

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2822

10. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Huibers (U.S. Publication No. 2004/0012838) in view of Ishii (U.S. Patent No. 6,903,860).

In regards to claim 3, Huibers discloses the following:

a) the deflectable element (48a-48c) is a mirror plate that is attached to a hinge (50, 50a, 50b and 50c) formed on the substrate (For Example: See Paragraph 76).

In regards to claim 3, Huibers fails to disclose the following:

a) the mirror plate can rotate on the substrate.

However, Ishii discloses a semiconductor device that has a deflectable element (301) that is a mirror plate that is attached to a hinge (302) formed on the substrate (306) such that the mirror plate can rotate on the substrate (For Example: See Column 7 Lines 60-65). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the semiconductor of Huibers to include a mirror plate that can rotate on the substrate as disclosed in Ishii because it aids in improving the device performance (For Example: See Column 5 Lines 24-52).

Additionally, since Huibers and Ishii are both from the same field of endeavor, the purpose disclosed by Ishii would have been recognized in the pertinent art of Huibers.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monica Lewis whose telephone number is 571-272-1838. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra Smith can be reached on 571-272-2429. The fax phone number for the organization

Application/Control Number: 10/810,076

Page 6

Art Unit: 2822

where this application or proceeding is assigned is 571-273-8300 for regular and after final communications.

ML

June 6, 2006

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.